CLAIMS

1. A method for re-synchronizing a PPP link, comprising:

detecting a trigger indicating whether a remote station is associated with a new base station;

determining whether the new base station is associated with a new network server; and

re-synchronizating the PPP link if the remote station is associated with the new network server.

2. The method according to claim 1, wherein the detecting comprises detecting an RLP reset.

3. The method according to claim 1, wherein the detecting comprises detecting a message indicating a handoff.

4. The method according to claim 1, wherein the detecting comprises detecting coming out of dormancy.

5. The method according to claim 1, wherein the determining comprises determining whether a received packet is a control packet.

6. The method according to claim 5, wherein the control packet comprises a link control protocol (LCP) negotiation request.

7. The method according to claim 5, wherein the control packet comprises an Internet protocol control protocol (IPCP) negotiation request.

8. The method according to claim 1, wherein the re-synchronizing comprises re-synchronizing the PPP link only on the U_m interface.

9. The method according to claim 1, wherein the network server comprises an interworking function (IWF).

10. The method according to claim 1, wherein the network server comprises a packet data serving node (PDSN).

11. The method according to claim 1, wherein the remote station functions under a CDMA environment.

12. A method for re-synchronization of a PPP link, comprising:

establishing a PPP link;

detecting a condition that indicates whether PPP re-synchronization is required; and

re-synchronizing the PPP link if it is determined that PPP re-synchronization is required.

13. The method according to claim 12, wherein the detecting comprises detecting when an RLP reset occurs.

14. The method according to claim 12, wherein the detecting comprises detecting when a handoff occurs.

15. The method according to claim 12, wherein the detecting comprises detecting when coming out of dormancy.

16. A computer readable medium embodying a method for re-synchronizing a PPP link, the method comprising:

detecting a trigger indicating whether a remote station is associated with a new base station;

determining whether the new base station is associated with a new network server; and

re-synchronizating the PPP link if the remote station is associated with the new network server.

17. A remote station apparatus comprising:

means for detecting a trigger indicating whether the remote station is associated with a new base station;

means for determining whether the new base station is associated with a new network server; and

means for re-synchronizating a PPP link if the remote station is associated with the new network server.

18. A base station apparatus comprising:

means for detecting whether a new remote station is associated with the base station;

means for determining whether the base station is associated with a new network server; and

means for re-synchronizating a PPP link if the base station is associated with the new network server.

19. A base station apparatus comprising:

a processor configured to detect a trigger indicating whether a new remote station is associated with the base station, the processor being further adapted to determine whether the base station is associated with a new network server;

a receiver adapted to receive PPP re-synchronization signals, the receiver being connected to the processor; and

a transmitter adapted to send PPP re-synchronization signals, the transmitter being connected to the processor.

20. The apparatus according to claim 19, wherein the trigger comprises an RLP reset.

21. The apparatus according to claim 19, wherein the trigger comprises a message indicating a handoff.

22. The apparatus according to claim 19, wherein the trigger comprises an indication of coming out of dormancy.

23. A remote station apparatus comprising:

a processor configured to detect a trigger indicating whether the remote station is associated with a new base station, the processor being further adapted to determine whether the new base station is associated with a new network server;

a receiver adapted to receive PPP re-synchronization signals, the receiver being connected to the processor; and

a transmitter adapted to send PPP re-synchronization signals, the transmitter being connected to the processor.

24. The apparatus according to claim 23, wherein the trigger comprises an RLP reset.

25. The apparatus according to claim 23, wherein the trigger comprises a message indicating a handoff.

26. The apparatus according to claim 23, wherein the trigger comprises an indication of coming out of dormancy.